

# REPORT

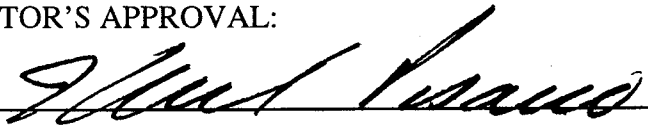
DATE: September 2, 2004

TO: Regional Council  
Transportation Committee  
Administrative Committee

FROM: Zahi Faranesh

SUBJECT: Maglev 2004' Conference in Shanghai

## EXECUTIVE DIRECTOR'S APPROVAL:



## RECOMMENDED ACTION:

As recommended by the Maglev Task Force, approve participation and representation at the Maglev' 2004 Conference in Shanghai. Attendees may include elected officials and staff from SCAG and other stakeholders on the Initial Operating Segment, including the City of Los Angeles, City of Ontario and the San Bernardino Associated Governments, if costs are allowable from Federal Railroad Administration grants. Costs are not to exceed \$20,000.

## BACKGROUND:

Shanghai will be hosting the 18<sup>th</sup> Annual International Conference on Magnetically Levitated Systems and Linear Drives in coordination with the Institute of Electrical Engineering, Chinese Academy of Sciences, National MAGLEV Transportation Engineering R&D Center and National Natural Science Foundation of China. The conference is highly technical in nature and will be held from October 26-28, 2004 at the Intercontinental Hotel in Pudong, Shanghai.

The Conference will host several expert speakers and will present the latest research on global Maglev issues and technology innovations. The agenda (attached) includes:

- Urban Transports – Industrial Developments and Projects
- Maglev and HSST – Safety and Operation Control
- Maglev – Power Supply Strategy
- Maglev – Propulsion and Linear Motors and Controls

This conference could be used as a tool for innovation in implementation strategies and technology enhancements, information on a wide range of topics and real, hands-on experience with an operational Maglev system.

On August 18, 2004, the Maglev Task Force reviewed information presented on the Conference and suggested that IOS Stakeholders, including elected officials and staff from SCAG and elected officials from City of Los Angeles, City of Ontario and the San Bernardino Associated Governments, participate and represent the Region at the

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Conference. One or two representatives from each group will be contacted pending approval of SCAG's participation.

Additional information on the conference is attached.

## FISCAL IMPACT:

### Projected Conference Cost:

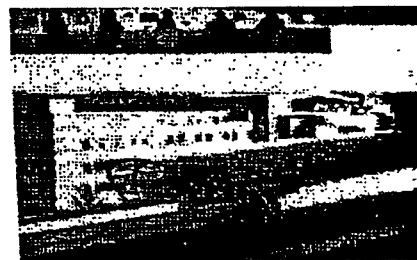
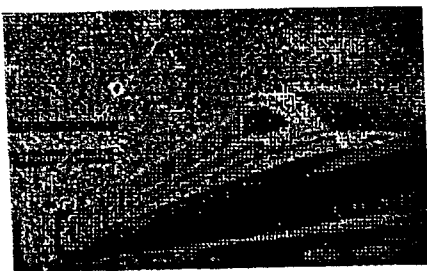
Registration	\$500*
Hotel	\$300
Airfare	\$1,000
Food/Misc	\$200
<b>Average Cost / person</b>	<b>\$2,000</b>

\*SCAG staff is working to have registration fees waived.

Total costs incurred not to exceed \$20,000.

SCAG is investigating if costs incurred would be reimbursed from the Federal Railroad Administration (FRA) grants included in FY04-05 OWP under WBS Element numbers 05-240, 05-241 and 05-242. If costs are not allowable by the FRA, then staff recommends SCAG not participate in this event.

Staff will be presenting detailed information on attendees and reimbursable cost sources to the Regional Council on September 2, 2004.



# **Maglev' 2004**

**18th International Conference on**

**Magnetically Levitated Systems and Linear Drives**



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# MAGLEV'2004

## AIMS OF THE CONFERENCE

The objectives of "MAGLEV'2004- The 18th International Conference on Magnetically Levitated Systems and are to present and discuss the state of the art of the social, environmental, economical, scientific and technical  $\pm$  speed and urban passenger MAGLEV transportation systems and the latest developments on magnetic levitation as well as electromagnetic propulsion and industrial applications. MAGLEV'2004 will consist of three major parts:

- MAGLEV'2004 Opening Day: Invited speakers will present the state of the art. This day is dedicated to public interested in the political, economical, social and industrial aspects of Maglev Systems;
- MAGLEV'2004 Conference: Presentation of the papers, dedicated to specialists of the different concerns;
- Ride on High Speed MAGLEV: Visits and a Ride on Shanghai MAGLEV Demonstration and Operation arranged.

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# MAGLEV'2004

## REGISTRATION

Conference registration will take place at the Lobby of Intercontinental Hotel, Pudong, Shanghai from 10:00 to October 25 (Thursday). The information desk of the Conference will open from 9:30 to 17:00 on each meeting Meeting Hall. If you have any question during the Conference, please feel free to contact the information desk.

For early planning purposes, all participants who wish to participate in the Conference are encouraged to register July 1, 2004. On-line reservation is strongly recommended.

### Registration Fees:

	if paid before August 20, 2004	if paid after August 20, 2004
Regular participants	US\$500	US\$600
Student participants as first author	US\$500	US\$600
Student participants as non-first author	US\$260	US\$320
Accompanying persons	US\$260	US\$260

1. The registration fee includes only one free paper, any additional paper is by US\$100 per paper.
2. If the first author could not attend the conference, US\$200 should be paid.
3. All incurred fees charged by the processing banks prior to the arrival of fund should be borne by participants themselves.

### Full payment of the registration fee covers:

#### A. For Regular and Student Participants:

1. Attendance at the Conference
2. Final Program and Proceedings
3. Welcome Reception and Banquet
4. Coffee Breaks
5. Lunches (October 26, 27, and 28)
6. Visit and a ride on Shanghai Maglev demonstration and operation line in the morning of October 27.

#### B. For accompanying persons:

1. Attendance at the Opening Ceremony
2. Welcome Reception and Banquet
3. Coffee Breaks
4. Lunches (October 26, 27, and 28)
5. Visit and a ride on Shanghai Maglev demonstration and operation line in the morning of October 27.

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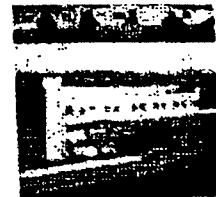
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# MAGLEV'2004

## TOPICS

The MAGLEV'2004 will cover all technical topics and aspects related to the following areas of the program.

### 1 MAGLEV- World Wide High Speed Industrial Developments and Projects

1.1 Scientific, Technical and Industrialization Status

1.2 Marketing Political and Financial Aspects

1.3 Social, Environmental and Ecological Aspects- Economical Balances

1.4 Comparisons: Evaluations of High Speed Systems (MAGLEV versus High Speed Rail Systems, Air Trans

### 2 MAGLEV- New Ideas

2.1 Scientific, Technical and Industrialization Status

2.2 Marketing, Political and Financial Aspects

### 3 URBAN TRANSPORTS (Linear Propulsion) Industrial Developments and Projects

3.1 Scientific, Technical and Industrialization Status

3.2 Marketing, Political and Financial Aspects

3.3 Environmental and Ecological Aspects- Economical Balances

3.4 Comparisons: Evaluations with Conventional Systems

### 4 MAGLEV- Power Supply Strategy

4.1 Ground Power Supply Network to Local Power Network

4.2 Power Transformation Station

4.3 Power Supply for Propulsion

4.4 Energy Balance

### 5 MAGLEV- Vehicle; Guideway; Infrastructure

5.1 Vehicle and Spatial Integration Designs

5.2 Aerodynamic Behavior and Aerodynamic Impacts on Design Constraints

5.3 Dynamic Mechanical Resonance and Vibrations, Speed and Frequency Limits

### 6 MAGLEV and HSST- Safety and Operation Control

6.1 Safety and Design Constraints (Stations, Vehicles, Track, Tunnels)

6.2 Safety and Exploitation Constraints

6.3 Safety and Innovations

### 7 Propulsion and Linear Motors: Motors and Controls

7.1 Scientific and Technical Developments

7.2 Transport System Applications

7.3 Industrial Applications

7.4 Propulsion: Magnetic Hydrodynamic

### 8 Magnetic Levitation and Guidance: Transducers and Controls

8.1 Electromagnetic Levitation

8.2 Electrodynamics Levitation

8.3 Super Conducting Quantum Levitation

### 9 Transfer of Energy to a Vehicle and on Board Energy Supply

9.1 Scientific and Technical Developments

9.2 High Speed Transport System Applications

9.3 Low Speed Transport System Applications

2.4 Industrial Applications  
9.5 Fuel Cells, Super Condensators

10 Magnetic Bearings  
10.1 Passive Magnetic Bearings  
10.2 Active Magnetic Bearings  
10.3 Super Conducting Magnetic Bearing

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# MAGLEV'2004

## 1. Visas

An official invitation letter will be issued to those who have returned the final Registration Form. With this letter the nearest Chinese Embassy or Consulate to apply for entry visa(s). To allow ample time for a successful visa are kindly requested to do the on-line registration before the deadline. If any problem arises, please contact the Conference for assistance.

## 2. Arrival

Taxis are always available at the Airport. Taxi fares to the hotel will be about RMB120 (or about US\$15-20). may help you in taking a taxi to the hotel.

**Please take me to the InterContinental, thanks!**

请送我到新亚汤臣洲际大酒店, 谢谢!

(地址: 浦东新区张扬路777号)

**Please take me to the Tong Mao Hotel, thanks!**

请送我到通茂酒店, 谢谢!

(地址: 浦东新区松林路 357 号)

**Please take me to the Baosteel Hotel, thanks!**

请送我到宝钢大厦酒店, 谢谢!

(地址: 浦东新区浦电路 370 号)

## 3. Refund Policy and Cancellation Charge

Cancellation received by the Secretariat	Before Aug. 20, 2004	After Aug. 20, 2004 and before Sept. 10, 2004	After Sept. 10 and before Oct. 10, 2004	After Oct. 10, 2004
Registration fee for first author	US\$200	US\$290 charged	US\$380 charged	No refund
Registration Fee for non-first author	0	US\$100 charged	US\$190 charged	No refund
Additional paper	100%	100%	100%	
Pre- & Post- Conference Tour	0	US\$60 charged	US\$150 charged	US\$200

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#### **4. Contact Person in China**

Ms. Cuiling LAN  
Secretariat of MAGLEV2004  
Center for International Scientific Exchanges, CAS  
52 Sanlihe Road, Beijing, 100864, China  
Tel: +86-10-68597751 or 68597750  
Fax: +86-10-68597753  
Email: cllan@cashq.ac.cn

#### **5. Currency Exchange**

In China, only RMB is used. However, exchange centers can be found at airports, most hotels and large shopping centers. When exchanging money, please keep your receipt by which you can change any remaining RMB back to foreign currency when leaving China. Visa, Master, American Express, Diners Club, JCB, and other credit cards are accepted in many restaurants and hotels. But it might be difficult to draw cash with credit cards. The Bank of China and most hotels can cash travelers cheques issued by any foreign bank or financial institution. Participants will need to show a passport and pay a 0.75 percent service charge. Travelers cheques signed over to a third party cannot be cashed in China, but can be presented for collection when leaving China.

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